

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/044192 A3

(51) International Patent Classification: **A61K 31/445,**
C07D 401/04

Osaka 569-1125 (JP). YATA, Shinji [JP/JP]; Japan Tobacco, Inc., Central Pharmaceutical Research Institute, 1-1 Murasaki-cho, Takatsuki, Osaka 569-1125 (JP).

(21) International Application Number:
PCT/US2004/035805

(74) Agents: PEET, Richard, C. et al.; Foley & Lardner LLP, Washington Harbour, 3000 K Street, N.W., Suite 500, Washington, DC 20007-5109 (US).

(22) International Filing Date: 27 October 2004 (27.10.2004)

(25) Filing Language: English

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
60/515,537 28 October 2003 (28.10.2003) US

(71) Applicants (for all designated States except US): AMGEN SF LLC [US/US]; 1120 Veterans Boulevard, South San Francisco, California 94080 (US). JAPAN TOBACCO, INC. [JP/JP]; 2-1, Toranomon 2-chome, Minato-ku, Tokyo 105-8422 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CARDOZO, Mario, G. [AR/US]; 579 Miramar Avenue, San Francisco, California 94112 (US). POWERS, Jay, P. [US/US]; 1561 Terra Nova Boulevard, Pacifica, California 94044 (US). GOTO, Hiroyuki [JP/JP]; Japan Tobacco, Inc., Central Pharmaceutical Research Institute, 1-1 Murasaki-cho, Takatsuki, Osaka 569-1125 (JP). HARADA, Kazuhito [JP/JP]; Japan Tobacco, Inc., Central Pharmaceutical Research Institute, 1-1 Murasaki-cho, Takatsuki, Osaka 569-1125 (JP). IMA-MURA, Katsuaki [JP/JP]; Japan Tobacco, Inc., Central Pharmaceutical Research Institute, 1-1 Murasaki-cho, Takatsuki, Osaka 569-1125 (JP). KAKUTANI, Makoto [JP/JP]; Japan Tobacco, Inc., Central Pharmaceutical Research Institute, 1-1 Murasaki-cho, Takatsuki, Osaka 569-1125 (JP). MATSUDA, Isamu [JP/JP]; Japan Tobacco, Inc., Central Pharmaceutical Research Institute, 1-1 Murasaki-cho, Takatsuki, Osaka 569-1125 (JP). OHE, Yasuhiro [JP/JP]; Japan Tobacco, Inc., Central Pharmaceutical Research Institute, 1-1 Murasaki-cho, Takatsuki,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

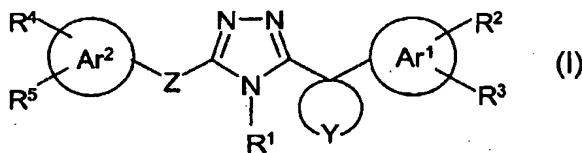
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
9 September 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TRIAZOLE COMPOUNDS AND USES RELATED THERETO



(57) Abstract: The present invention provides a triazole compound of the following formula: a prodrug thereof or a pharmaceutically acceptable salt thereof. The above-mentioned triazole compound is useful as a therapeutic drug for the treatment of diabetes, obesity or metabolic syndrome.